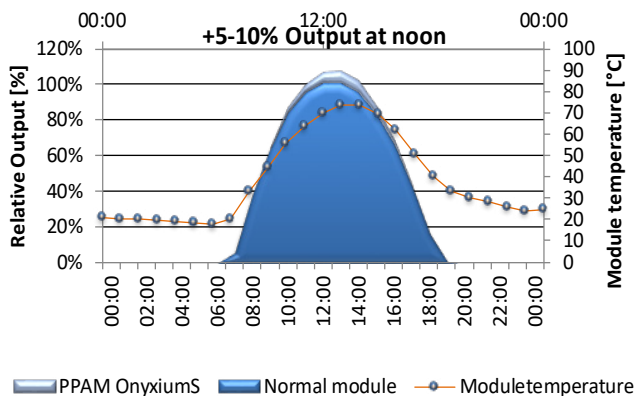


PPAM Onyxium 300W



The best of two worlds

Swedish engineering is a quality trademark you can trust. When combined with high quality solar cells from China, in the Onyxium-S, high yields are reached with good thermal properties at low installation costs. Onyxium-S is produced using only high quality raw materials from leading suppliers. Onyxium-S is ideal for residential buildings, on facades, rooftops and large scale solar power systems.



PPAM uses high efficiency solar cells with substantially higher low-light performance and best thermal properties. Integration of monitoring, safety, optimization and/or long strings available in integrated junction box.

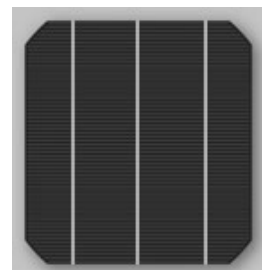


Quality & Warranty

The quality is assured by several quality control check points and tested prior to delivery. A final test is conducted in a solar tester, where the modules are tested under Standard Test Conditions (STC 1000W/m², AM 1.5, 25°C). Every modules test data is stored in our database with a unique serial number.

PPAM.se offer a product warranty of 12 years and a 25 year performance warranty for 80 % power output on all standard products. We are certified in accordance with:

- EN IEC 61215 (design qualification and type approval)
- EN IEC 61730 (safety qualification)



Electric properties.(STC 1000W/m², 25°C, AM1.5)

| | |
|----------------------------|--------------------|
| Model | PPAM-Onyxium smart |
| Max. Power [Pmax] | 300 Wp |
| Open circuit Voltage [Voc] | 40,1V |
| Max. Pow. Voltage [Vmpp] | 32,2 V |
| Short Circ.Current [Isc] | 9,8 A |
| Max. Pow. Current [Impp] | 9,3 A |
| Power Tolerance | 0/+3% |
| Module Efficiency | 18,5% |

Physical properties

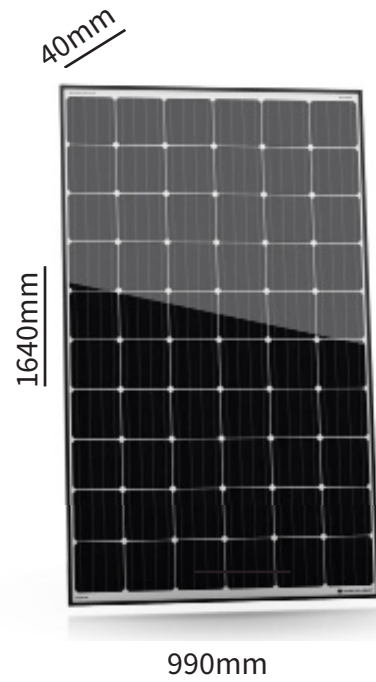
| | |
|-------------------------|--|
| Celltype | Monocrystalline |
| Cell dimensions | 156x156mm |
| Cells/diodes per module | 60/3 |
| Frame | Anodized Aluminum |
| Maximum System Voltage | 1000 V |
| Module Weight | 19,5kg |
| Module Dimensions | 1640x 990 x 40mm |
| Tested temp. conditions | -40°C to +85°C |
| Max load | 550 kg/m ² front only (snow) 245 kg/m ² back & front (wind) |

Thermal properties

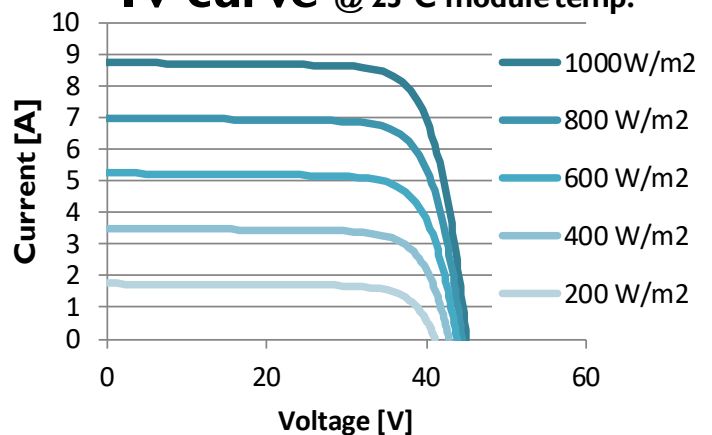
| | |
|---------------------------|------------|
| NOCT | 46 °C |
| Voltage Temp. Coefficient | -0.24%/K |
| Current Temp. Coefficient | +0.032 %/K |
| Power Temp. Coefficient | -0,40%/K |

PPAM.SE Sweden AB reserves the right to make specification changes without prior notice. Please contact your nearest supplier/distributor or visit our website to obtain the latest specification sheet.

PID-FREE UL-CCIC test report: 12CA63536



IV-curve @ 25°C module temp.



IV-curve

@ amb, temp 25°C, U-value 29W/m²K

